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Block Level Experimental Agromet Advisory Bulletin

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



CHALAKUDY BLOCK, THRISSUR DISTRICT

AAS 30/2018(59), Tuesday

24.07.2018

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 173.8 mm. the maximum temperature ranges from 27.6°C to 30.1°C, minimum temperature ranges from 20.4°C to 23.4°C. Morning relative humidity ranges from 92% to 98% and afternoon relative humidity ranges from 75% to 95%. Wind speed ranges from 0.7 to 2.2 km/h. Bright sunshine hours range from 0.0 to 0.8 hours. Evaporation ranges from 1.3 to 2.8 mm.

CURRENT SYNOPTIC SITUATION: A low pressure area lies over north west Madhya Pradesh and south Uttar Pradesh with associated upper air cyclonic circulation extending upto 5.8 above mean sea level. Another upper air cyclonic circulation at 5.8 km above mean sea level lies over south west Bay of Bengal and adjoining Sri Lanka off south Tamil Nadu coast.

Heavy Rainfall warning: Day 1: Heavy rainfall is most likely to occur at one or two places in Kerala.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	17	15	18	10	15
Maximum temperature (°C)	29	30	30	31	31
Minimum temperature (°C)	23	24	24	24	24
Total cloud cover (octa)	7	7	6	6	6
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	006	006	006	006	006
Wind direction (deg)	250	250	250	250	250

Normal rainfall is expected in Kerala for the coming week

Moderate rainfall is expected in Chalakudy Block for coming days.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Crop stage	Pest/ Disease	Advisories
Banana	Bunch emergence stage	Erwinia Rot	Due to continuous rain, there is a chance of Erwinia rot disease in banana. Proper drainage should be ensured. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Spraying can be made more effective by adding 6g of streptomycin in 20 litre of spray solution prepared.
Coconut	-	Bud rot	Due to continuous rain, there is a chance of bud rot disease in coconut palm. Small perforated sachets containing 2 g of mancozeb may be tied to the top crown portion and leaf axil. When it rains, a small quantity of the fungicide is released from the sachets to the leaf base thus protecting the palm. Or apply 1% Bordeaux mixture or 0.2% kocide with gum on the crown.
Vegetables (cowpea)	Flowering/Fruiting stage	Downy mildew	There is a chance of downy mildew attack in vegetables due to continuous rain. Application of 20g Trichoderma or 0.2% curzate M-8 or 0.1% Equation pro per one litre of water under the leaves in 15 days interval is effective.
Animal Husbandry	Thoroughly wash the udder of the cow and hands of milking person prior to milking. Dip the teats in 1:1000 potassium permanganate solution after milking. (CAADECCS, KVASU, Mannuthy)		